

METHODS AND APPARATUS FOR REQUESTING LINK STATE INFORMATION

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Abstract of the Disclosure

Methods and apparatus are provided for optimizing the reintroduction
10 of a network node into a network. Information about neighboring nodes is stored in
persistent memory. The network node can then be reinitialized and reintroduced into
the network. Upon reintroduction, the network node can transmit heartbeat messages
such as Hello messages to its neighboring nodes using information stored in persistent
memory. A link state packet request message such as a Complete Sequence Numbers
15 Packet referencing dummy link state information is transmitted to a neighboring
node. A partial packet request message such as a Partial Sequence Numbers Packet
referencing the dummy link state packet from the neighboring node can acknowledge
that the Complete Sequence Numbers Packet has been received.